

APPENDIX V - EVENT PROCESSOR

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```
5  public class EventProcessor
    {
        // The singleton event database.
        private static EventProcessor el = null;

10     // Get the event handler
        private static SysHandlerRegistrar ehr =
            SysHandlerRegistrar.getInstance();
        private static IEventHandler seh = null;

15     private EventProcessor()
        {
        }

        public static EventProcessor getInstance()
20     {
        if(el == null)
            el = new EventProcessor();

        return el;
25     }

        public static IMessageEvent log(IMessageEvent meIn)
        {
            IMessageEvent me = meIn;
30     if(me instanceof ErrorEvent) {
                if((seh = ehr.getEventHandler(SysHandlerRegistrar.ERROR_INFO_EVENT_HANDLER)) != null)
                    me = seh.receiveEvent(meIn);
                else
                    System.out.println(me.getDate());
35     }
            else if(me instanceof RebootEvent) {
                if((seh = ehr.getEventHandler(SysHandlerRegistrar.REBOOT_EVENT_HANDLER)) != null)
                    me = seh.receiveEvent(meIn);
                else
40     System.out.println(me.getDate());
            }
            else {
                if((seh = ehr.getEventHandler(
                    SysHandlerRegistrar.RESOURCE_DEPLETION_EVENT_HANDLER)) != null)
45     me = seh.receiveEvent(meIn);
                else
                    System.out.println(me.getDate());
            }
            return me;
50     }
    }
```